

**NOTICE OF PROPOSED WATER POLLUTION CONTROL PERMIT
FOR KAILUA REGIONAL WASTEWATER TREATMENT PLANT
NPDES PERMIT NO. HI 0021296**

Docket No. HI 0021296

September 25, 2013

The Department of Health (DOH) tentatively proposes to reissue a National Pollutant Discharge Elimination System (NPDES) to discharge secondary treated wastewater to the Pacific Ocean, subject to special conditions to:

**CITY AND COUNTY OF HONOLULU
DEPARTMENT OF ENVIRONMENTAL SERVICES
1000 Uluohia Street, Suite 308
Kapolei, Hawaii 96707**

The proposed draft permit for the existing discharge will expire five (5) years from the permit issuance date.

The Permittee owns and operates the facility, located in Kailua, Hawaii, on the island of Oahu. The facility has a design capacity of 15.25 MGD and provides primary and secondary treatment of wastewater for approximately 94,000 people in the Ahuimanu, Kaneohe, and Kailua communities. Influent water enters the Facility through two (2) main lines, a force main from Kaneohe Pretreatment Facility and a gravity main from Kailua. Treatment consists of two (2) mechanical bar screens, two (2) grit chambers, four (4) primary clarifiers, two (2) biotowers, two (2) aerated solids contact tanks, and three (3) secondary clarifiers. An ultraviolet light disinfection system is located on-site, but not maintained online for treatment.

Treated effluent is discharged to the Pacific Ocean off of Mokapu Peninsula, through Outfall Serial No. 001 (Mokapu Outfall), at Latitude 21°27'32"N and Longitude 157°42'56"W. The Mokapu Outfall is a joint outfall which is also used by the Marine Corps Base Kaneohe Bay, Hawaii.

Outfall Serial No. 001 is a 48-inch diameter, deep ocean outfall that discharges treated effluent through a diffuser that starts approximately 3,323 feet offshore and 105 feet below the surface of the water. The diffuser is approximately 963 feet long with 80 side ports that range in size from 4 inches to 5.5 inches in diameter and two (2) end ports, one (1) with a 4-inch diameter and one (1) with a 5.5-inch diameter.

Sludge processing consists of two (2) dissolved air floatation thickeners, four (4) anaerobic digesters, and three (3) centrifuges. Solids are disposed of at the Waimanalo Gulch Sanitary Landfill.

The Pacific Ocean off of Mokapu Peninsula, is designated as "Class A Dry Open Coastal Waters" under Section 11-54-06(b)(2)(B), Hawaii Administrative Rules (HAR). Protected beneficial uses of Class A waters include recreation, aesthetic enjoyment, and the protection and propagation of fish, shellfish, and wildlife.

Persons wishing to comment upon or object to the proposed NPDES permit or to request a public hearing, should submit their comments or requests in writing no later than 30 calendar days after the date of this notice, either in person or by mail, to:

Clean Water Branch
Environmental Management Division
Department of Health
919 Ala Moana Boulevard, Room 301
Honolulu, HI 96814-4920

Copies of the proposed public notice permit and other information are available for public inspection, Monday through Friday (excluding holidays) from 7:45 a.m. until 4:15 p.m., at the DOH office address shown. Copies may be bought. The public notice permit and fact sheet are also available on the internet at:

<http://www.hawaii.gov/health/environmental/water/cleanwater/pubntcs/index.html>.

For more information or if you have special needs due to disability that will aid you in inspecting and/or commenting on the public notice permit and related information, please contact Mr. Darryl C. Lum, Supervisor of the Engineering Section, Clean Water Branch, at the above address or (808) 586-4309 (Voice) at least seven (7) calendar days before the comment deadline. For those who use a TTY/TDD, please call through Sprint Relay Hawaii, at 1-711 or 1-877-447-5991.

All comments and requests received on time will be considered. If DOH determines that there is significant public interest, a public hearing may be held after at least 30 calendar days of public notice.

If DOH's position is substantially unchanged after considering all timely written comments and all oral comments at any public hearing that may be held, then the DOH will issue the NPDES permit and this action will be final.

Please notify anyone you know who would be interested in this matter.

LORETTA J. FUDDY, A.C.S.W., M.P.H.
Director of Health

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